NAUTICAL CHART 18548

NATIONAL OCEAN SERVICE

WASHINGTON-IDAHO

SNAKE RIVER

LOWER GRANITE LAKE

18548

Lower Granite Lock and Dam

C 55.418/7:

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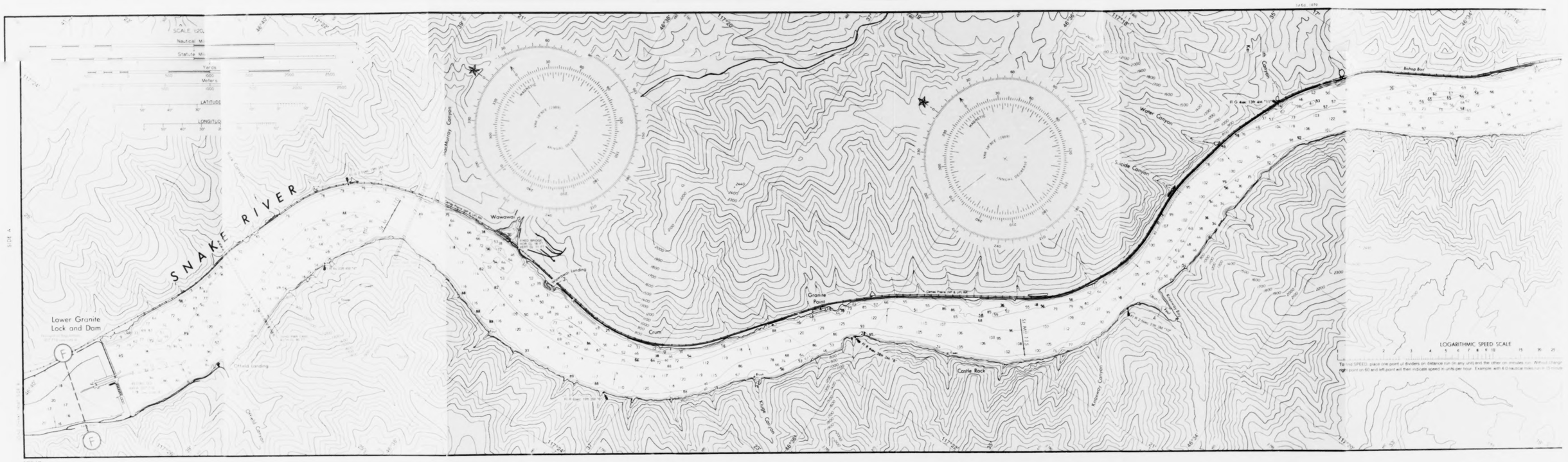


18548

THE SNAKE RIVER FACTS AND HISTORY

LOWER SNAKE RIVER DAMS

ICE HARBOR
LOWER MONUMENTAL
LITTLE GOOSE
LOWER GRANITE

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

CAUTION

Small craft should stay clear of large commercial and government vessels even if small craft have the right-of-way.

CAUTION

All craft should avoid areas where the skin divers flag, a red square with a diagonal white stripe, is displayed.

WARNING

The pushers' markings are not only solely on any single aid to navigation, particularly on floating aids. Consult U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

ABBREVIATIONS

For complete list of Symbols and Abbreviations, see Chart No. 1.

Aids to Navigation (lights are white unless otherwise indicated)

ABCN (alternating)	(g) green	Mo (morse code)	R (R) radio (tower)
Al (alternating)	Gp (group)	N (day)	Rot (rotating)
Bn (beacon)	Int (interrupted quick)	OBSC (obscured)	s (seconds)
Oc (occulting)	Iso (isophase (if not...))	Oc (occulting)	SEC (secret)
Dia (diaphone)	F (fl) (flashing)	Or (orange)	Sr (siren) (reed)
F (fixed)	M (nautical mile)	Q (quick)	VQ (very quick)
fl (flash (period stated))	m (minutes)	R (red)	W (white)
G (group)	MO(A) (Morse code letter A)	Ra (Ra) (radar reflector)	W(R)G (white (red) (green))
H (hours)	Mo (morse)	R (Ra) (radiobeacon)	Y (yellow)

Bottom characteristics

Blk (black)	(c) (coral)	gn (grn)	Oys (oysters)	sh (sh)
bk (broken)	(g) (gravel)	h (hard)	Pb (rock)	sn (shells)
Co (coral)	(gn) (grass)	M (mud)	S (sand)	wd (weed)

Miscellaneous

A (A) (Authorized)	Obstr (obstruction)	PD (position doubtful)	Subm (submerged)
AD (additional (buoy))	PA (position approximate)	Rep (reported)	

ag (Antiaq, rock, obstruction, or shoal (wreck) near to the depth indicated)

(f) (rocks that cover and uncover, with heights of feet above datum of soundings)

(rm) (rm) (nonmetallic fragments in measuring distance in feet, 1972)

FACILITIES

Locations of public marine facilities are shown by large purple numbers with leaders and refer to the facility tabulation.

STORM SIGNALS

	DAY SIGNALS	NIGHT SIGNALS
SMALL CRAFT ADVISORY Winds from 18 to 33 knots Check radio for latest marine weather forecast		
GALE WARNING Winds forecast from 34-47 knots		
STORM WARNING Winds forecast from 48-63 knots		
HURRICANE WARNING Winds forecast 64 knots and above		

RULES OF THE ROAD — ABRIDGED

Motorboat (with have the right of way in almost all cases, including vessels and motorboats less than sixty feet (18m) in length, and not human, in a narrow channel, the safe passage of a vessel which can navigate only inside that channel.

A motorboat being overtaken has the right of way. Motorboats approaching head to head or nearly so should pass port to port.

When motorboats approach each other at right angles or obliquely, the boat on the right has the right of way in most cases.

Motorboats must keep to the right in narrow channels, when safe and practicable.

Motorboats are urged to become familiar with the complete text of the Rules of the Road in U.S. Coast Guard publication "Navigation Rules."

NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continuous change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.

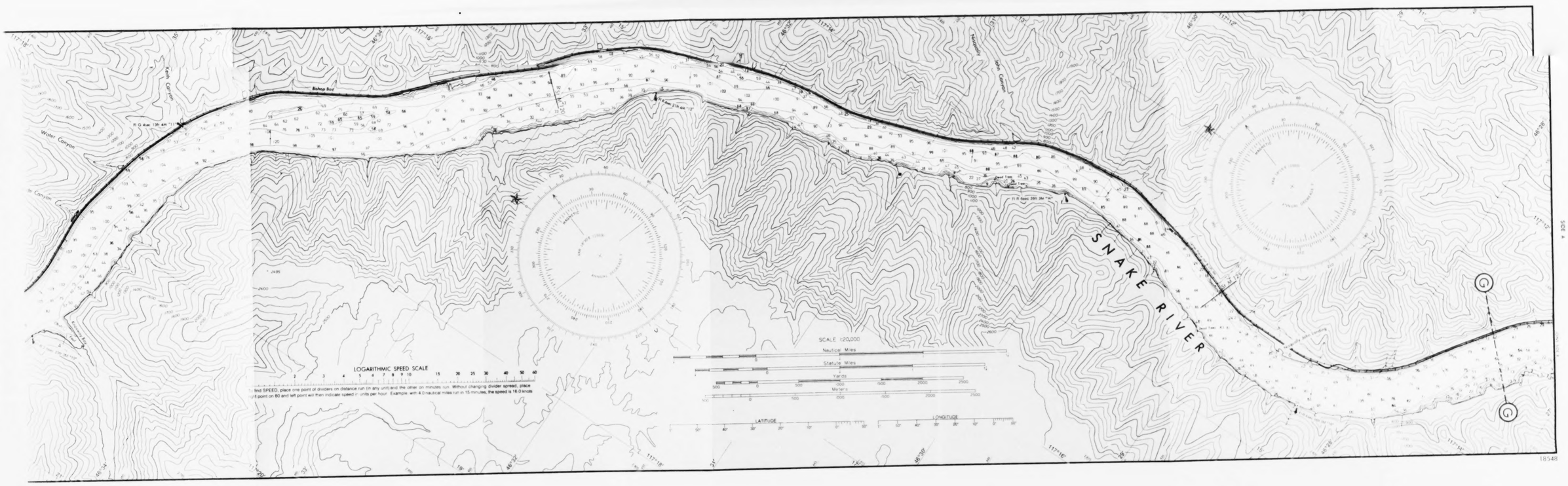
Thomas J. Maginnis
Assistant Administrator for Ocean Services
and Coastal Zone Management

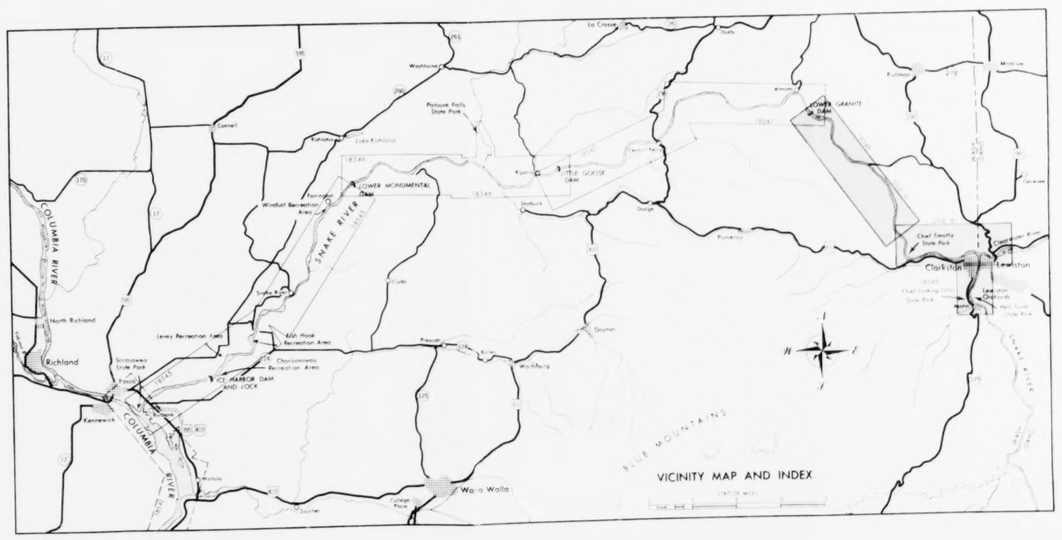
SAFETY HINTS

1. Keep your chart up to date by applying all Notices to Mariners corrections when you receive them.
2. Read carefully all notes printed on your chart; each is vital to your safety effort.
3. Learn the meaning of each symbol and abbreviation on your chart from Chart No. 1.
4. The compass on your chart shows the variation from true north; however you must also correct your bearing for the deviation of your boat.
5. Constantly use your chart from the beginning to end of each trip. Keep in mind the orientation of your boat with respect to the chart.
6. Maintain your position on the chart by relating charted features with those you can identify in your surroundings.
7. Storm warning display locations and small craft warning signals have been charted for your safety.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.


Bishop Bar
Keith Canyon
Water Canyon
Nisqually John Canyon
SNAKE RIVER
LOGARITHMIC SPEED SCALE
SCALE 1:20,000
Nautical Miles
Statute Miles
Yards
Meters
LATITUDE
LONGITUDE
SHEET 4
18548


COLUMBIA RIVER
SNAKE RIVER
LOWER MONUMENTAL DAM
LITTLE GOOSE DAM
LOWER GRANITE DAM
Clarkston
Lewiston
Richland
Walla Walla
BLUE MOUNTAINS
VICINITY MAP AND INDEX

SCALE 1:20,000

Nautical Miles

Statute Miles

Yards

Meters

WASHINGTON

IDAHO

SNAKE RIVER

Stephoe Canyon

Silcott Island

Wilma

CLARKSTON

Clarkston Heights

CLEAR

LEWIST

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

SCALE 1:20,000

Nautical Miles

Statute Miles

Yards

Meters

SNAKE RIVER

46°28'

46°26'

46°24'

117°12'

117°10'

117°08'

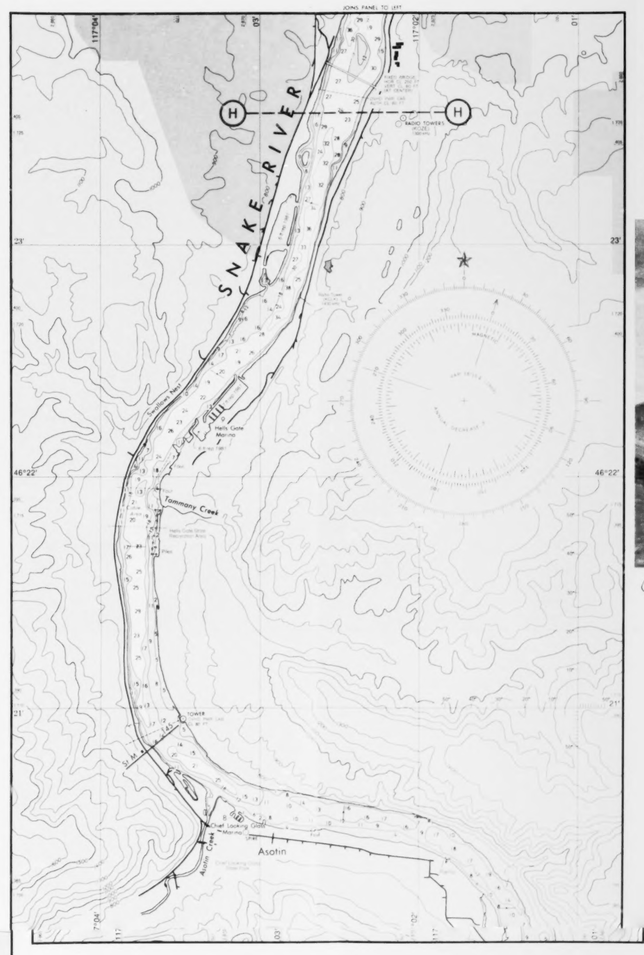
117°06'

117°04'

117°02'

18548 SHEET Mercator

AL CHART 18548



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